

ABSTRACT

Protein suspensions comprising soluble and insoluble components are purified via flocculation with anionic polymers, such as polyacrylamides, potato starch, or modified cellulose. The procedure improves the efficiency of solid/liquid separations and can minimize or eliminate the requirement for centrifugation and/or filtration in large scale biotechnological processes. The method is particularly well suited for the purification and clarification of protein suspensions containing soluble somatotropin monomer using polyacrylamide and polysaccharide flocculants.